

ENVIRONMENTAL DIVISION
ANNUAL REPORT FOR SESSION 2016/2017

Chairman's Message

It has been my great pleasure to have the opportunity to serve as the Chairman of the Environmental Division of Hong Kong Institution of Engineers from 2016 to 2017.

Through the tremendous efforts of many of our previous chairpersons and committee members, the Environmental Division is growing from strengths to strengths. The Environmental Division is playing a pivotal role in developing environmental professionalism in Hong Kong. The experiences and expertise of our members are well recognized by other stakeholders.



In 2016-17, we have built on such good work and have continued to further develop environmental professionalism, extend our contributions to HKIE and our society, and raise the status of our members.

The Environmental Division has helped to cultivate many competent environmental engineers for Hong Kong. One of my main aims in 2016-17 is to further consolidate the environmental competencies and profile of our members and help to facilitate and enable our members to serve as environmental leaders in shaping a sustainable world. I believe that this would create triple wins: wins for our members, wins for HKIE and wins for our society and the neighboring region. Many of our members are already well known environmental leaders in Hong Kong and the neighboring region.

To lead is to serve, listen, inspire and inform. In 2016-17, we have worked with our committee members to better serve our members, our profession, our society and our region. We have reached out to our members to listen to their views and find ways to better meet their needs. We have also inspired our members and other stakeholders on new or emerging ideas and best practices through the Guangdong Hong Kong Macao Sustainable Development conference in September 2016 with the theme on the challenges and opportunities under One Belt and One Road and the Big Bay Area, and our annual environmental forum. We have informed our members and other stakeholders through our regular seminars and professional publications.

We have built synergy with other divisions of HKIE and work in collaboration to promote mutual learning and joined-up professionalism. It has been my honour to work with all of our members and other HKIE divisions for the benefit of HKIE, Hong Kong and our region.

Ir Elvis Au

Chairman of Environmental Division

The Committee

The Committee of the Environmental Division includes the following members who have greatly contributed to discussions and organising various activities for the Division in this Session. A number of young helpers also joined our regular meetings and participated in our activities.

Committee Members

Ir AU Wai Kwong, Elvis	Chairman
Ir LO Pak Cheong	Immediate Past Chairman
Ir TANG Sher Kin, Kelvin	Deputy Chairman
Ir CHENG Chun Ping, Norman	Hon Secretary
Ir CHOI Chung Ming	Hon Treasurer
Ir LAM Chi Sing	Committee Member, CSC Representative
Ir LEE Ming Ching, Stephen	Committee Member, CPDC Representative
Ir Dr ZHOU Wen Wen, Shelley	Committee Member, PRC Representative
Ir Dr Alex GBAUIDI	Committee Member
Ir YUEN Ngau Yin, Andrew	Committee Member
Mr LAM Yau Bun, Benjamin	Committee Member
Ms CHAN Yee Tak, Jacqueline	Committee Member
Ir Prof LO Man Chi, Irene	Committee Member
Ir Dr CHAN Ka Lung, Raymond	Committee Member
Ir LEE Ping Kuen	Committee Member
Ir IP Tat Yan	Committee Member
Ir KWAN Lok Fong, Anthony	Committee Member

Ex-officio and Co-opted Members

Mr Patrick LEE Wei Wood	Ex-officio Member, AMC Representative
Ir LEUNG KF, Kelvin	Ex-officio Member, SSC Representative
Ir CHEN Hao Ting, Ambrose	Ex-officio Member, YMC Representative
Ir WONG Siu Wai, Kenny	Ex-officio Member, Council Member (Division)
Ir Wong Yiu Kam, Benny	Ex-officio Member, Discipline Representative
Ir KONG M Y, Cammy	Co-opted Member
Ir WONG Wai Keung, Alex	Co-opted Member
Ir CHAN Chung Tak, Thomas	Co-opted Member

Helpers

CHAN Angus	Helper
CHAN Tak Wa Steve	Helper
CHAN Wai Kit Kevin	Helper
CHAN Wang Yi Dorothy	Helper
CHAK Derick	Helper
CHENG Celia	Helper

CHENG Franky	Helper
CHO Hung Sun	Helper
CHU Issac	Helper
FUNG Jacky	Helper
FUNG Willy	Helper
GAO Yuan Belinda	Helper
HO Shui Lam	Helper
HO Hydro	Helper
IP Lydia	Helper
KWOK Tinky	Helper
LAM Zhi Kiet Harry	Helper
LEUNG CF	Helper
LAU Winnie	Helper
LEE Vincent	Helper
LI Gigi	Helper
LI Hoi Ching	Helper
LIAO Wentao Jerry	Helper
LIU Leon	Helper
OR Haydee	Helper
PANG Kin Ting	Helper
QIAN Minwei	Helper
SO Stephenie	Helper
TSE Yuen Lam Jade	Helper
WANG Yuan Chi	Helper

Publication in HKIE Monthly Journal

We continue to act as a coordinator which works closely with potential writers for preparation of articles related to climate change issues from different perspectives for publication in Climate Change Corner under HKIE monthly journal. From July to March 2017, we have submitted 13 articles about the activities /seminars organised by us for sharing and communication among members.

HKIE Environmental Division Website

The HKIE Environmental website (<http://ev.hkie.org.hk/>) has performed an excellent function in keeping members up-to-date with major and important events. These include the activities for which we are the supporting organisation. The photos and PPT presentations presented in the seminars could be downloaded from the website to facilitate easy sharing of useful information. The photo gallery stores photos taken in the current and past activities were uploaded for sharing among members, which brings back wonderful memories and joyful moment in the various event and activities. One special feature this year on our website is the creation of the environmental knowledge hub, which stores documents that were published by the Division and could now be easily extracted by our members.

Activities

In addition to organising high quality technical seminars and visits, in this session we were also involved in other activities, such as making presentations to professionals and general public, attending and responding to consultations, and representing HKIE on external committees / panels so as to further boost up the professional standing of HKIE Environmental Division. A total of 43 technical seminars/visits/meetings were arranged for this session, with an overall attendance of approximately 3,500 participants. The activities organised and co-organised by the Committee are summarized in Annex 1 and 2 of the report. Some signature activities of this session are highlighted below:

One of the main events this year for the environmental division was the 8th Guangdong, Hong Kong, Macau Sustainable Development Forum which was co-organized with the civil division on 23 September 2016 at the Crowne Plaza Hotel Hong Kong Kowloon East. There were over 300 participants including about 80 from Guangdong and Macao, and was the largest conference since this regional platform was set up in 2002. A follow-up event was organized to visit different facilities at the Pearl River Delta Area (Guangzhou, Foshan, and Huizhou) on 25 to 26 February 2017. The hosts were extremely enthusiastic about our visit and welcomed us with open arms. Activities included visits to Guangzhou Metro Design and Research Institute Co., Ltd., Guangzhou Construction and Construction Institute's Administration Building which has obtained Awards on Green Building, Guangzhou Meteorological Satellite Station, Foshan City Nanhai Waste Treatment Environmental Industrial Park, and Huizhou City Huiyang District Yaweinong Ecopark. The event was well attended by 27 participants, including the Chairman of the Building Services Division, key representatives from the Green Building Council, and key staff from corporations such as KPMG. A key aspect of the Environmental Division this year is to foster a closer relationship with different institutions and this event was just an illustration of the partnerships and synergies that have been created.

The Annual Reception was held on 11 November 2016 at Craigengower Cricket Club with Mr. Chan Mo-po, Paul, , the Secretary for Development, and Mr Donald Tong Chi-keung, Permanent Secretary for the Environment/Director of Environmental Protection, both serving as the Guest of Honour for our event. There were over 120 participants attending the reception. The event was also highlighted by the launching of the microfilm, which was made to echo the 40th Anniversary Celebration of the HKIE. The main aim of the microfilm is to encourage young generation to become an environmental engineer as their future career.

The Annual Forum titled "Paradigm Shift: Emergence of Environmental Management and Engineering in the Development of Hong Kong into a World City" was held in Crowne Plaza Hotel on 27 April 2017. The Forum was comprised of the keynote session

and three other sessions, namely 1) Evolving Role of Environmental Professionals in Urban, Public Projects, Strategic Plans and Good Governance; 2) Engineering and Managing Adaptive Sustainable Responses for Managing Hong Kong's Bio-Capacity: Challenges and Opportunities; and 3) Potential Contribution of Environmental Leaders to Hong Kong's Economic Diversification and Sustainable Growth. This forum aimed to provide a platform for professionals and academics in the environmental management and engineering industry to gain further insights on the latest practices and development of technologies that are required for the development of a World-Class city, and to share local and overseas experiences and stimulate initiatives that could further reinforce Hong Kong's status as a World City. There was approximately 300 participants attending the event.

We organised the Job Shadowing Programme and continue to extend the out-reaching from high school to tertiary education students, and thus we received approximately 170 students from 4 higher education institution and 3 secondary schools attending this Programme. With the support from 7 host organisations/companies, namely ATAL Engineering Ltd., Swire Group, Hong Kong Productivity Council, Environmental Protection Department, Towngas, Mott MacDonald, and The Hong Kong Electric Co., Ltd., the programme provided an opportunity for young people to explore first-hand skills needed to succeed in today's and future job markets and to enhance their environmental awareness. The programme was welcomed by the students, who have expressed strong interest in the environmental engineering profession and they were also able to appreciate the knowledge and ability required to develop their careers as environmental engineers.

A reach-out programme was initiated this year where environmental division committee members led by the Chairman visit different companies in order to promote the environmental division while listening to the members/potential members on how the environmental division could serve them better. In total, there were 8 reach-out sessions and over 200 members participated. Conclusions from the meetings are as follows:

- Enhance the status of Environmental Engineer
- Encourage more companies to join Scheme A training of Environmental Discipline
- Increase job opportunities in the environmental engineering sector
- Provide more technical seminars on hot topics related to environmental management
- Exchange insights with experts from overseas
- Create more opportunities to meet and liaise with other professional institutions

The Environmental Paper Award 2017 was successfully completed. The objective of this event was to recognize environmental professional's efforts in any environmental research and projects in environmental pollution control and sustainable development. A total of 14 submitted papers were assessed by a judging panel which consisted of

environmental professionals from various sectors include academic, authority, consultant, contractor, green building institution, utility company and transportation sector.

For details of our activities, please refer to our website <http://ev.hkie.org.hk>

Public Consultation

We offered our views and comments to the following consultation papers

1. Environmental Protection Department - Review of Charges for the CWTC Services (Registered Chemical Waste Producers)
2. Mandatory Energy Efficiency Labelling Scheme (MEELS) - Revision of Code of Practice on Energy Labelling of Products

We also produced the following document:

1. Brief on The Opportunities and Challenges in Sustainable Development of the Pearl River Delta Bay Area under the One Belt One Road Initiative - The Environmental Needs for the Bay Area
2. Brief on Green Finance

Environmental Discipline Advisory Panel

The Discipline Advisory Panel supported the Competence based Professional Assessment pilot trial and nominated over 20 experienced assessors to attend the Competence based Professional Assessment briefing forum in March 2017.